BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to roads and drains at Puttenahalli Janatha colony main and cross roads and surrounding areas in Ward No. 02

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (P No-143, I No-19.1)								
	For RCC Drain	Cum							
	Puttenahalli								
	Near Ganesha temple		1	90.00	1.20	1.10	118.80		
	Janatha colony								
	Cross Road		1	111.00	1.10	1.10	134.31		
	Vinayaka Layout								
	2nd cross		2	96.00	1.20	1.10	253.44		
	3rd main		2	138.00	1.20	1.10	364.32		
	4th main		2	90.00	1.20	1.10	237.60		
	5th main		2	90.00	1.20	1.10	237.60		
	For RCC Culvert		6	5.00	1.50	1.10	49.50		
							1395.57	215.28	**300438.31**
	Basic Rate Rs.=	130.00							
	Add 6% A.W Rs. =	7.80							
	Sub Total =	137.80							
	8Km Lead, Loading and Unloading =(2*1.28*8)+57	77.48							
	Total Rate Rs. =	**215.28**							
2	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P No-222,I No-27.18)								
	For Drain	Cum							
	Puttenahalli								
	Near Ganesha temple		1	90.00	1.20	0.15	16.20		
	Janatha colony								
	Cross Road		1	111.00	1.10	0.15	18.32		
	Vinayaka Layout								
	2nd cross		2	96.00	1.20	0.15	34.56		
	3rd main		2	138.00	1.20	0.15	49.68		
	4th main		2	90.00	1.20	0.15	32.40		
	5th main		2	90.00	1.20	0.15	32.40		
	For RCC Culvert		6	5.00	1.50	0.15	6.75		
							190.31	5421.90	**1031814.68**
	Basic Rate Rs.=	5115.00							
	Add 6% A.W Rs. =	306.90							
	Total Rate Rs. =	**5421.90**							
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification. (P No.271, I.No.37.59.2 of PW, P&IWTD S.R 2018-19)								
	For RCC Drain	Cum							
	Bottom slab								
	Puttenahalli								

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate	Amount
				m	m	m		in Rs	in Rs
	Near Ganesha temple								
	Janatha colony		1	90.00	1.10	0.15	14.85		
	Cross Road								
	Vinayaka Layout		1	111.00	0.90	0.15	14.99		
	2nd cross								
	3rd main		2	96.00	1.10	0.15	31.68		
	4th main		2	138.00	1.10	0.15	45.54		
	5th main		2	90.00	1.10	0.15	29.70		
	side walls		2	90.00	1.10	0.15	29.70		
	Puttenahalli								
	Near Ganesha temple								
	Janatha colony		2	90.00	0.15	0.65	17.55		
	Cross Road								
	Vinayaka Layout		2	111.00	0.15	0.65	21.65		
	2nd cross								
	3rd main		4	96.00	0.15	0.65	37.44		
	4th main		4	138.00	0.15	0.65	53.82		
	5th main		4	90.00	0.15	0.65	35.10		
			4	90.00	0.15	0.65	35.10		
							367.11		
	For RCC Culvert								
	Raft		6	5.00	1.30	0.20	7.80		
	side walls		12	5.00	0.20	0.60	7.20		
							15.00		
					Net Qty		**382.11**	7070.20	**2701594.12**
	Basic Rate Rs.=	6670.00							
	Add 6% A.W Rs. =	400.20							
	Total Rate Rs. =	**7070.20**							
4	KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications MORTH Specification No 1600 & 2200 for TMT bars Fe 500 (P.No.239, I.No.29.29.2 of PW, P&IWTD S.R 2018-19)								
	Considering steel For Drain @ 70 kg / cum	Tonne		367.11	0.070	--	25.70		
	Considering steel For Culvert @ 100kg / cum			15.00	0.100	--	1.50		
							27.20	73992.24	**2012418.75**
	Basic Rate Rs.=	69804.00							
	Add 6% A.W Rs. =	4188.24							
	Total Rate Rs. =	**73992.24**							
5	Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	For drain cover slab	Sqm							
	Puttenahalli								
	Near Ganesha temple		1	90.00	0.90	--	81.00		
	Janatha colony								
	Cross Road		1	111.00	0.75	--	83.25		
	Vinayaka Layout								
	2nd cross		2	96.00	0.90	--	172.80		
	3rd main		2	138.00	0.90	--	248.40		
	4th main		2	90.00	0.90	--	162.00		
	5th main		2	90.00	0.90	--	162.00		
							909.45	2337.00	**2125384.65**
6	Providing and fixing RCC precast cover slab of 250mm thick made out of CC 1:2:4 and jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	For Culvert Slabs	Sqm	6	5.00	1.20	--	**36.00**	5418.00	**195048.00**

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
	Add GST @ 12%						Sub Total 1 Rs.		8366698.51
	Add KRIDL @ 4%								1004003.82
	DPR & PMC Charges including GST								334667.94
	Miscellaneous & Rounding off								194000.00
							Sub Total 2 Rs.		9899370.27
									629 73
								Total Rs.	9900000.00

CERTIFICATE:

1. The work spot has been inspected by me and the work is found to be necessary
2. The estimate is prepared as per PW, P&IWTD S R Bangalore circle for the year 2018-2019
3. The Provisions made in the estimate are quite necessary and adequate
4. The area comes with in the BBMP limits.

Assistant Engineer
Ward 02
BBMP

Assistant Executive Engineer
Yelahanka Sub Division
BBMP

Executive Engineer
Yelahanka Division
BBMP

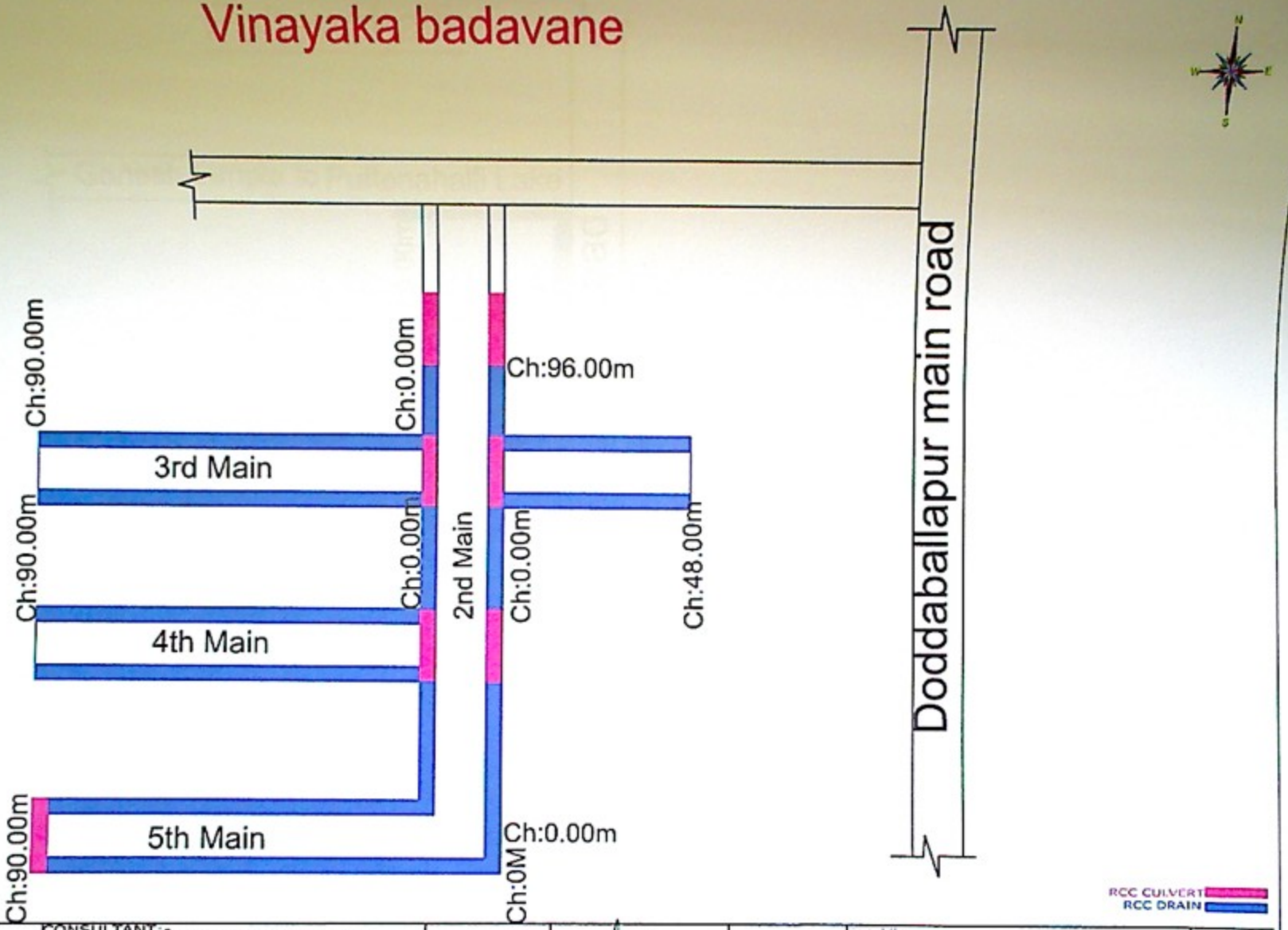
Administrative Sanction for Rs. 99.00 Lakhs
Ninety Nine Lakhs only
is accorded under head P-3727-2018-19
Chief minister Nava nagarotana grants
Registered as CE No. Subject to conditions contained in enclosed memo
No EE/YNK/AS/32/2019-20 Dt 28/10/2019

Executive Engineer

Technical Sanction
Accorded For B.S.S: Widening
Head of A/C P 3727
CER NO : 12-D Dt: 28/10/2019

TA, CE (YNK)

Vinayaka badavane



BRUHAT BANGALORE MAHANAGARA PALIKE

CONSULTANT:-
SILICON CONSULTING ENGINEERS

A.E.E